



FORMAL

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✓100

	$Si_{0.74}Ge_{0.26}, 10^{18} cm^{-3}P$	0.85
	$Si_{0.76}Ge_{0.24}, 10^{18} cm^{-3}P$	0.34
	$Si_{0.78}Ge_{0.22}, 10^{18} cm^{-3}P$	0.34
	$Si_{0.80}Ge_{0.20}, 10^{18} cm^{-3}P$	0.85
	$Si_{0.82}Ge_{0.18}, 10^{18} cm^{-3}P$	0.34
	$Si_{0.84}Ge_{0.16}, 10^{18} cm^{-3}P$	0.34
	$Si_{0.86}Ge_{0.14}, 10^{18} cm^{-3}P$	0.85
104	$Si_{0.88}Ge_{0.12}, 10^{18} cm^{-3}P$	0.34
	$Si_{0.90}Ge_{0.10}, 10^{18} cm^{-3}P$	0.34
	$Si_{0.92}Ge_{0.08}, 10^{18} cm^{-3}P$	0.85
	$Si_{0.94}Ge_{0.06}, 10^{18} cm^{-3}P$	0.34
	$Si_{0.96}Ge_{0.04}, 10^{18} cm^{-3}P$	0.34
	$Si_{0.98}Ge_{0.02}, 10^{18} cm^{-3}P$	1.20
	$Si_{0.99}Ge_{0.02}$	0.40
	$Si_{0.99}Ge_{0.02}, 5 \times 10^{20} cm^{-3}B$	1.60

102

Si

✓110

114	$Si_{0.84}Ge_{0.17}$	14
	$Si_{0.80}Ge_{0.13}$	0.34
	$Si_{0.88}Ge_{0.12}$	0.34
	$Si_{0.90}Ge_{0.10}$	0.34
	$Si_{0.91}Ge_{0.09}$	0.34
	$Si_{0.93}Ge_{0.07}$	0.34
	$Si_{0.94}Ge_{0.06}$	0.34
	$Si_{0.96}Ge_{0.04}$	0.34
	$Si_{0.97}Ge_{0.03}$	0.34
	$Si_{0.99}Ge_{0.01}$	0.34

112

Si

FIG. 1A

FIG. 1B

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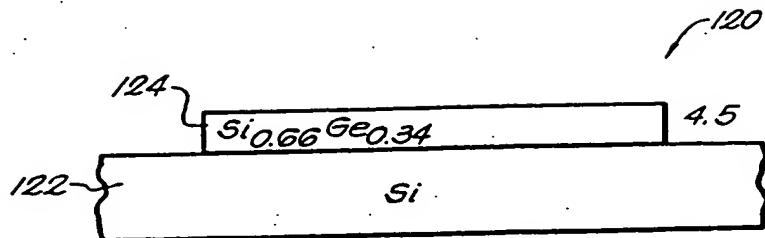


FIG. 1C

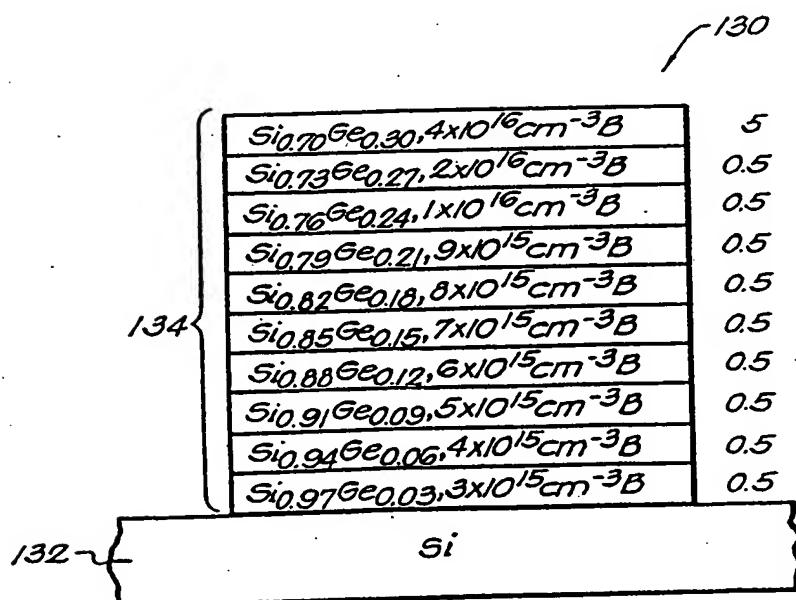


FIG. 1D

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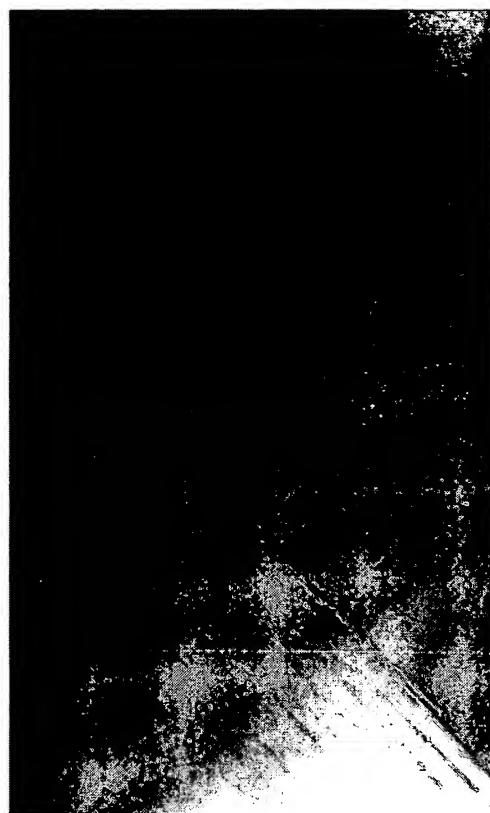


FIG. 2

— 1.5 μm

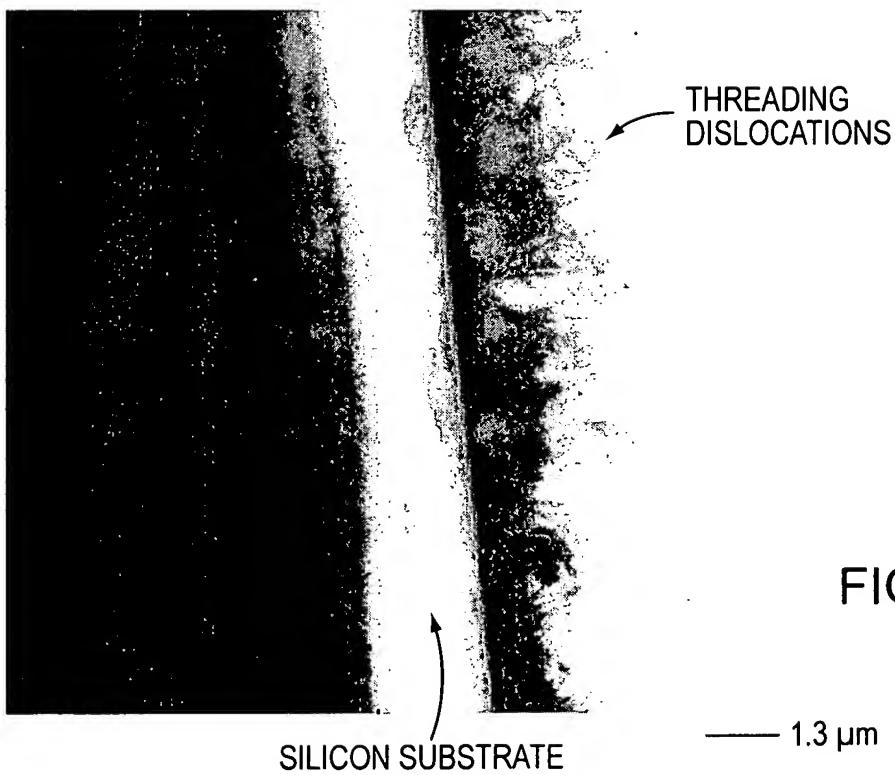


FIG. 3

— 1.3 μm

+

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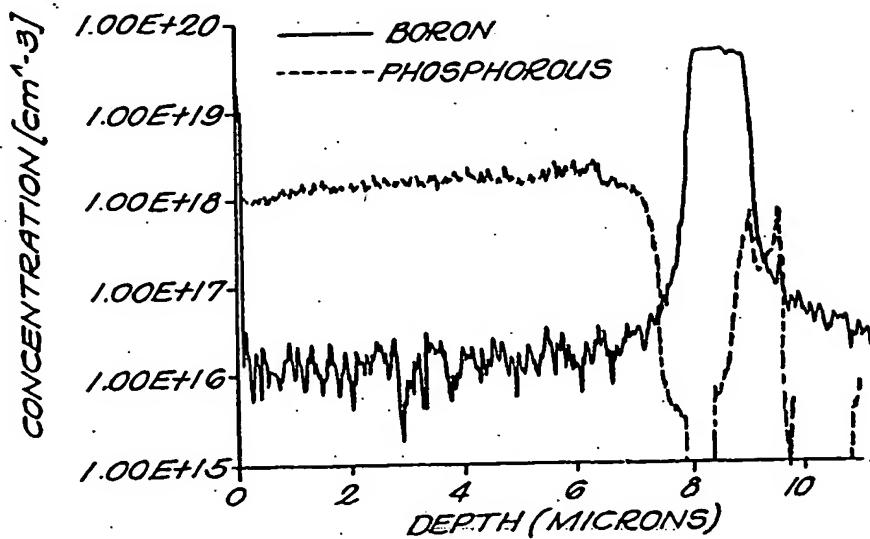


FIG. 4

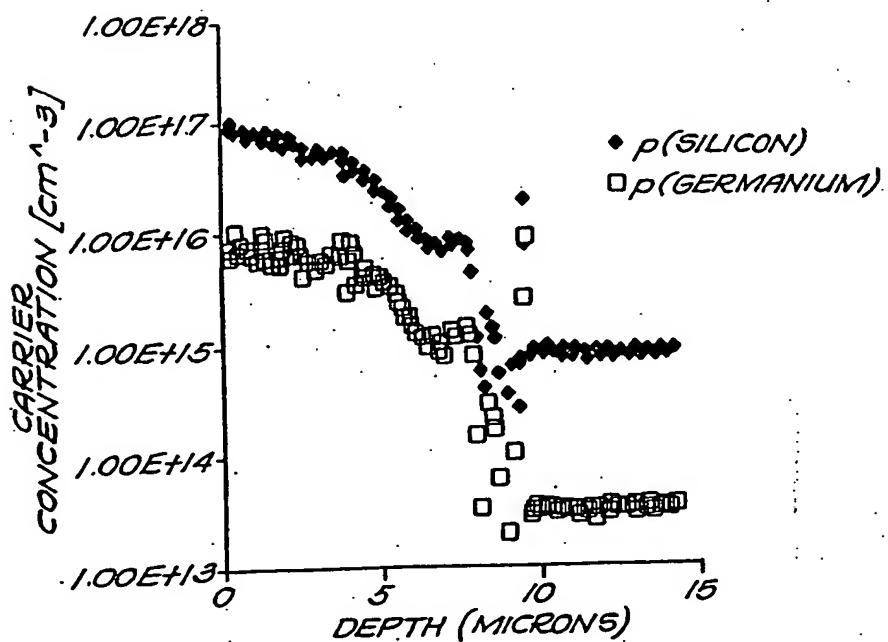


FIG. 5

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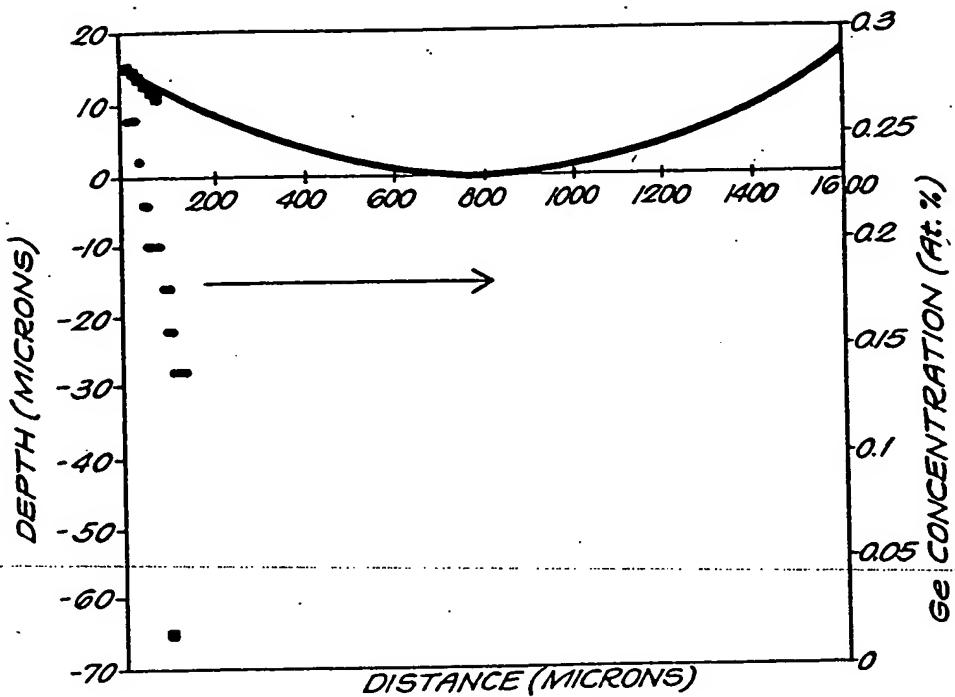


FIG. 6A

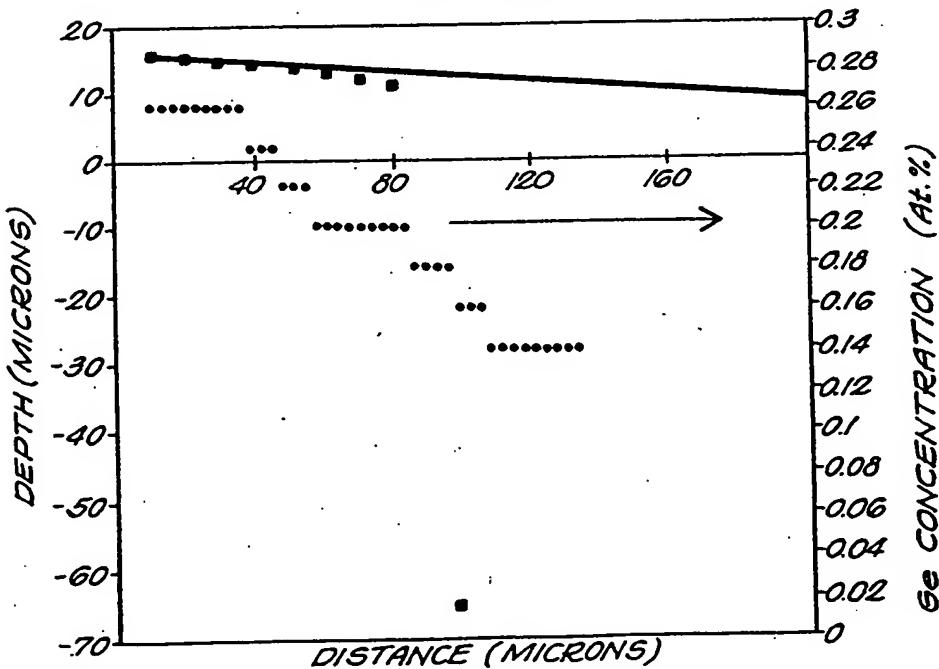


FIG. 6B

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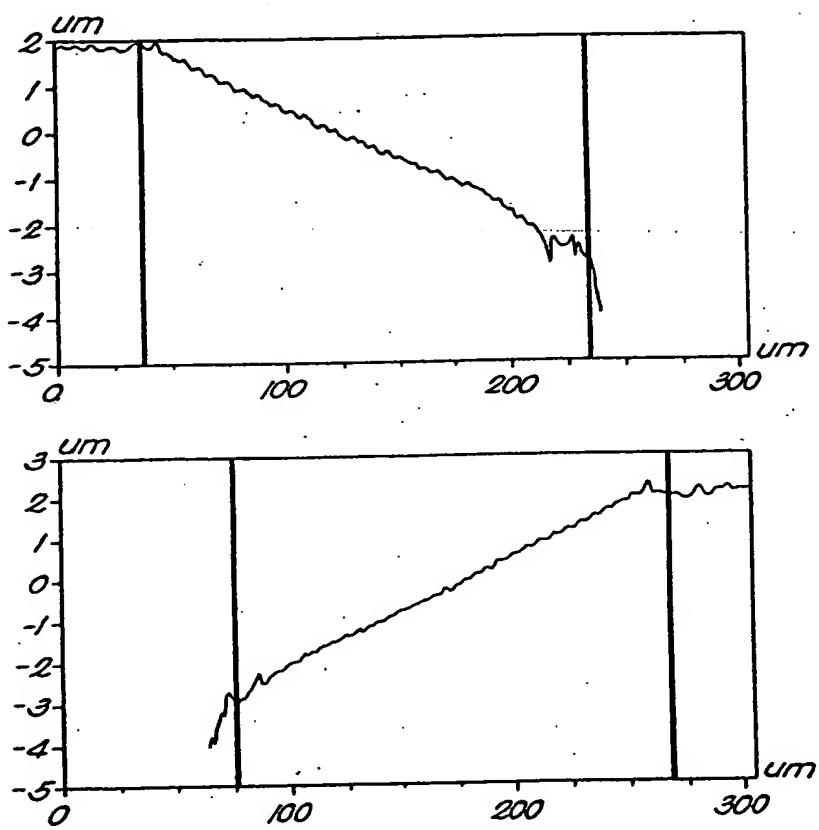


FIG. 7

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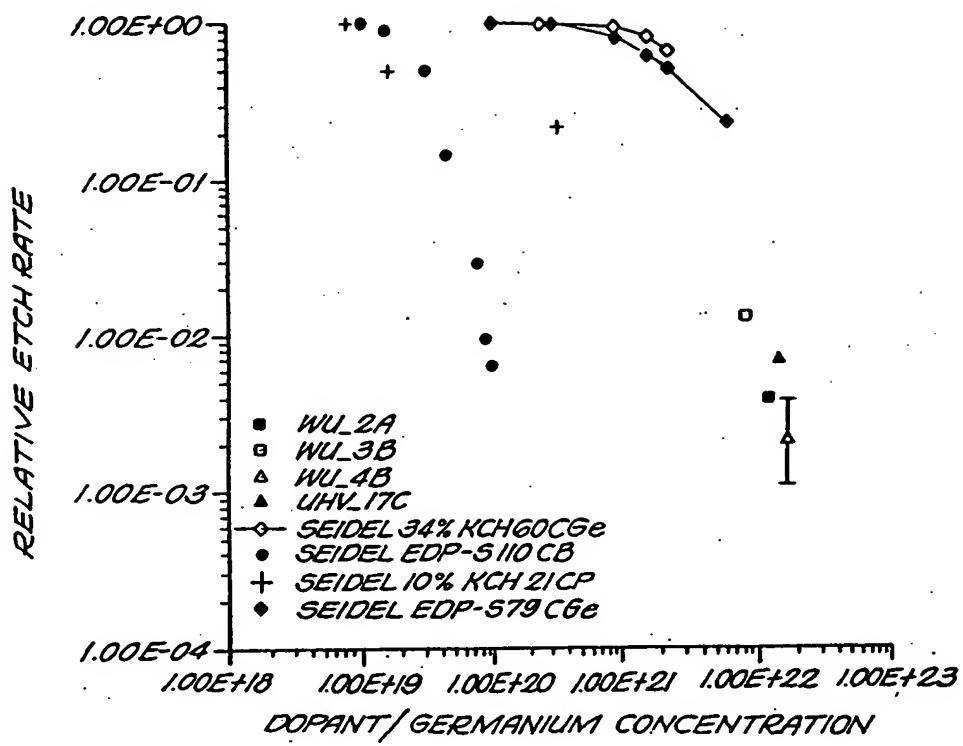


FIG. 8

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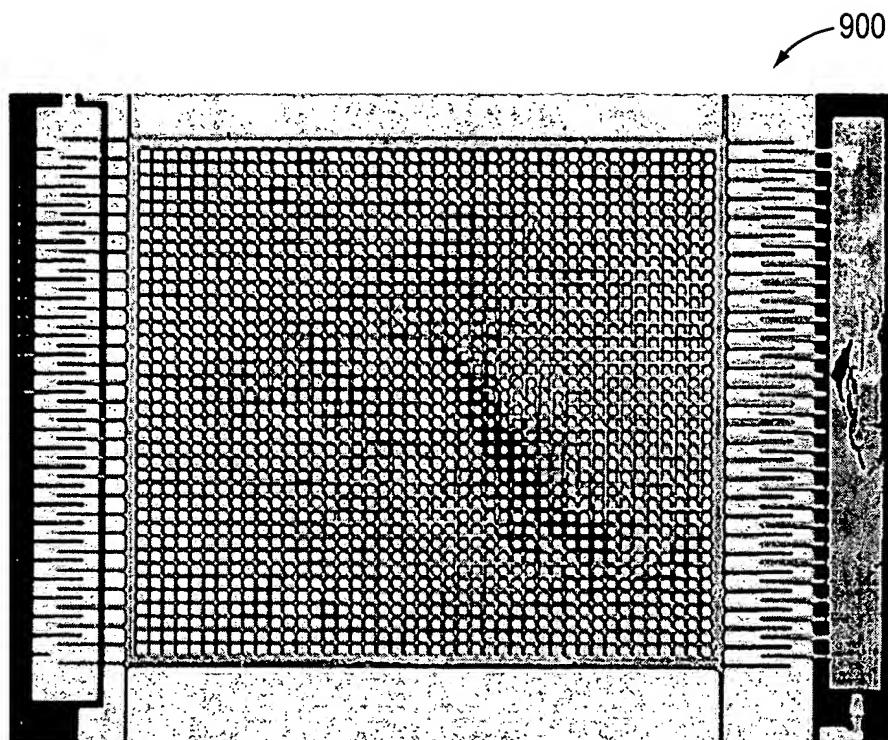


FIG. 9

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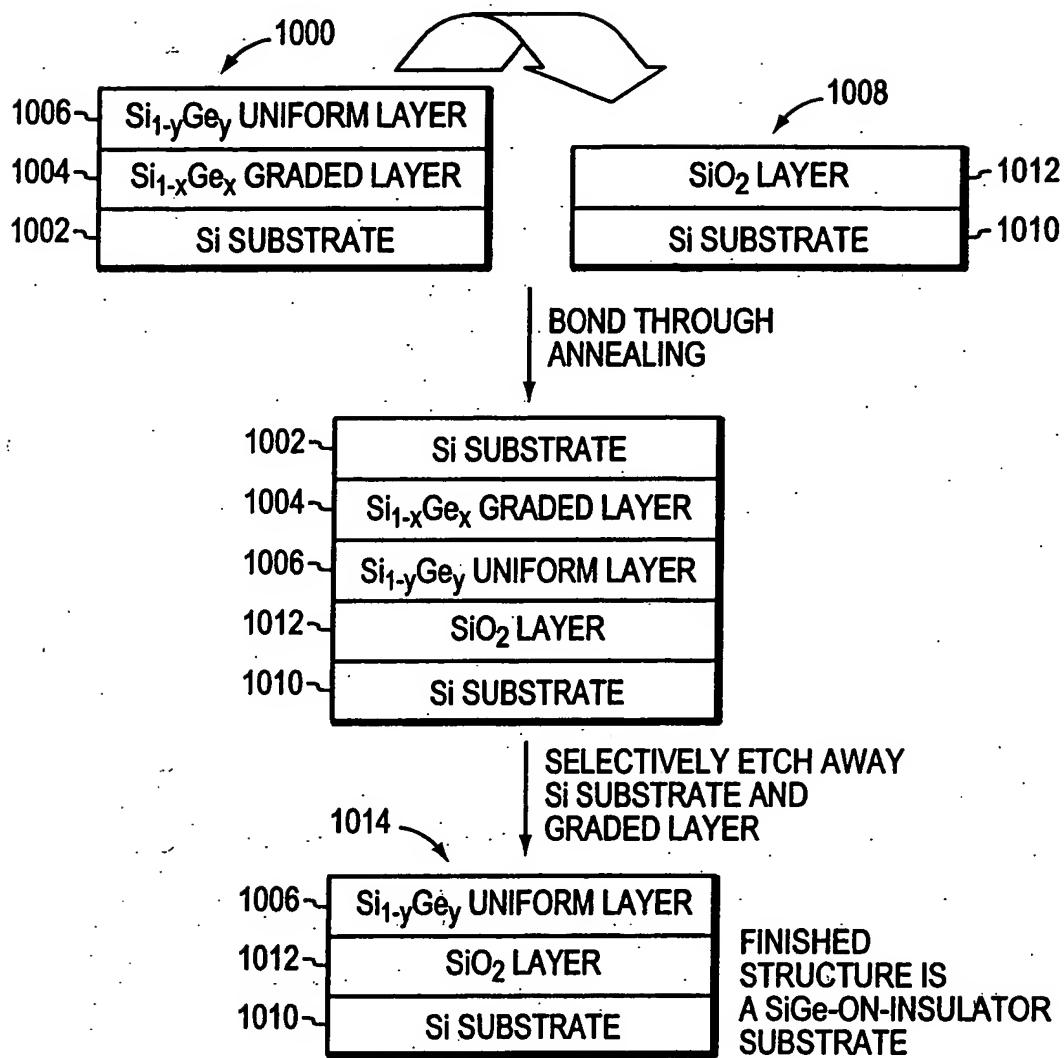


FIG. 10

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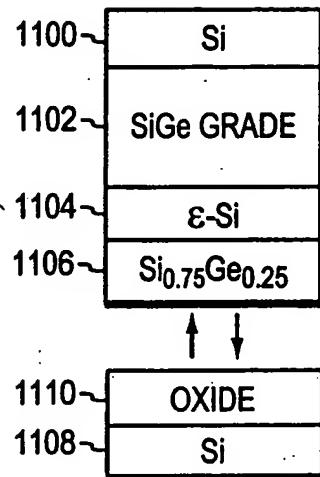
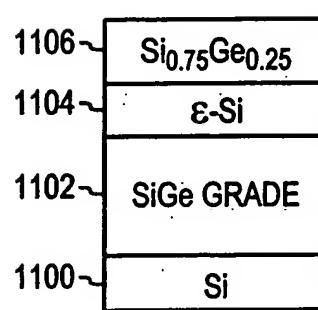
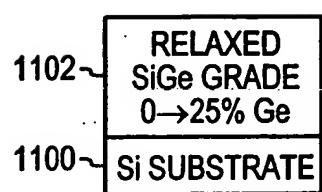


FIG. 11A

FIG. 11B

FIG. 11C

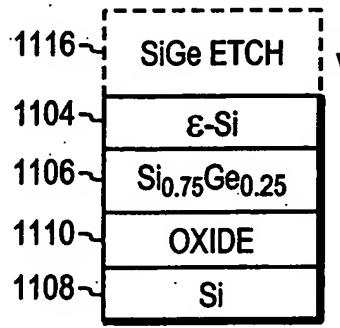
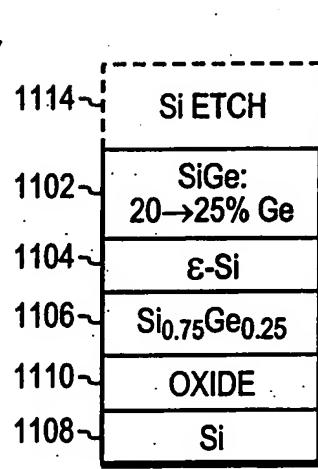
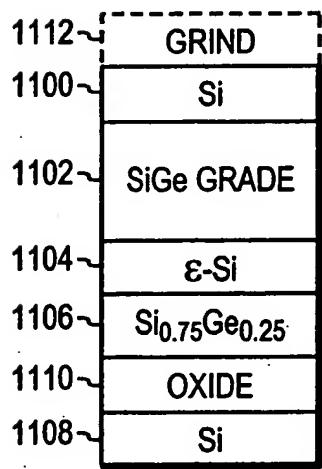


FIG. 11D

FIG. 11E

FIG. 11F

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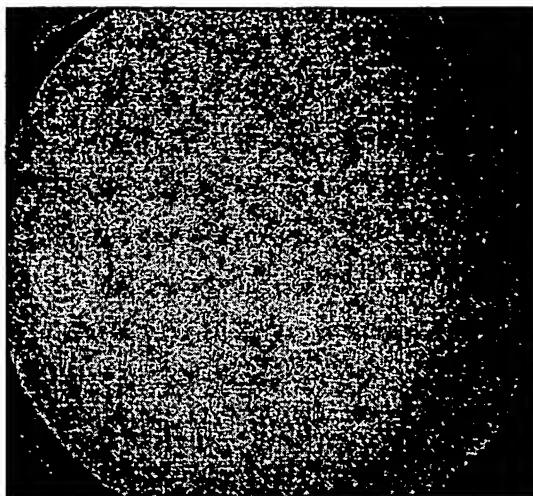


FIG. 12A

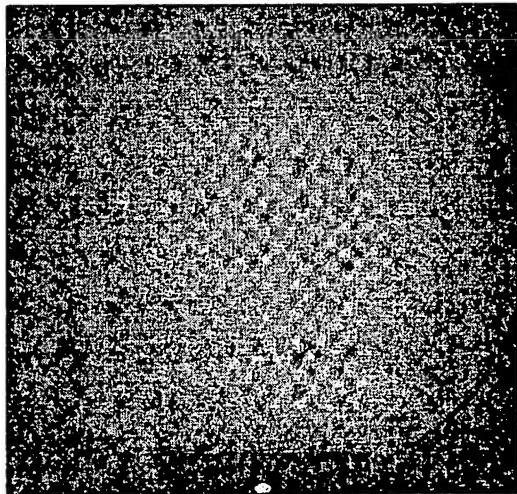


FIG. 12B

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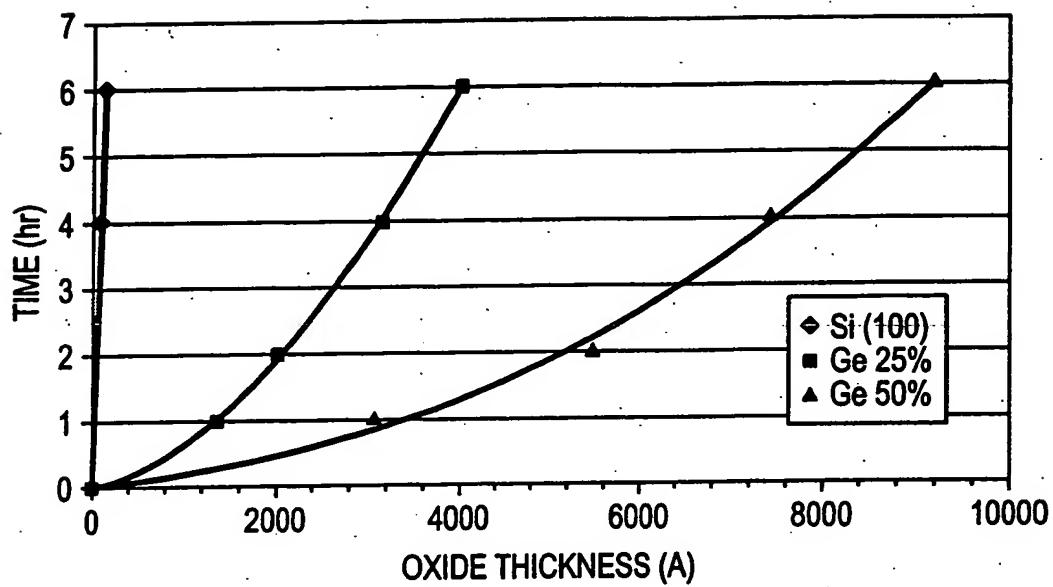


FIG. 13

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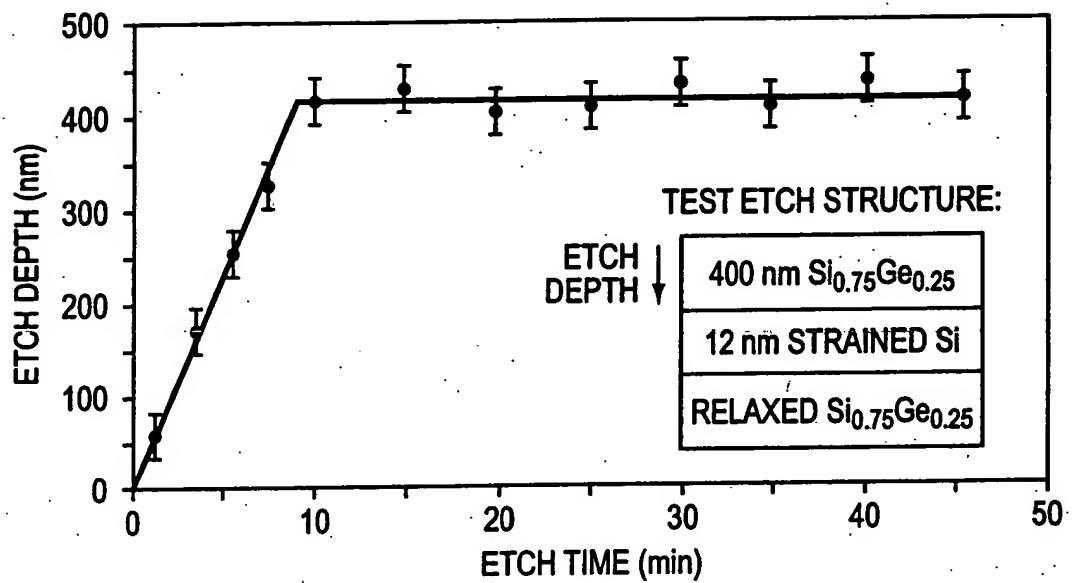


FIG. 14

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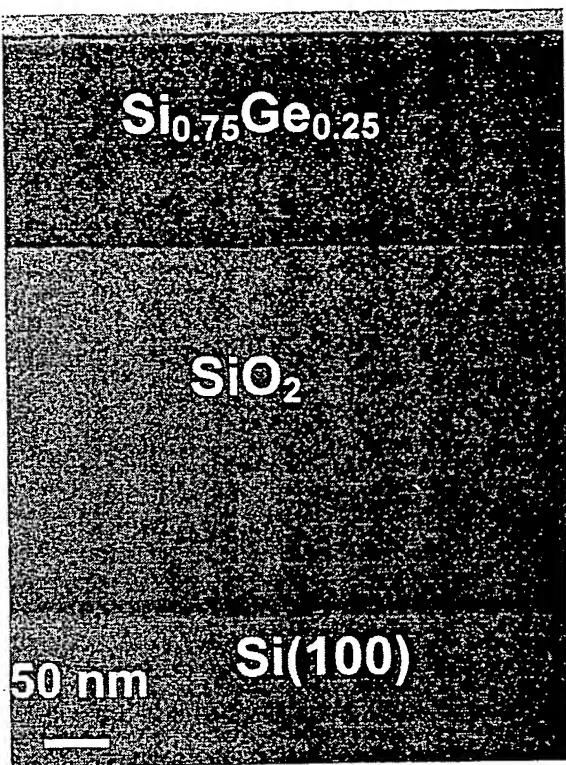


FIG. 15

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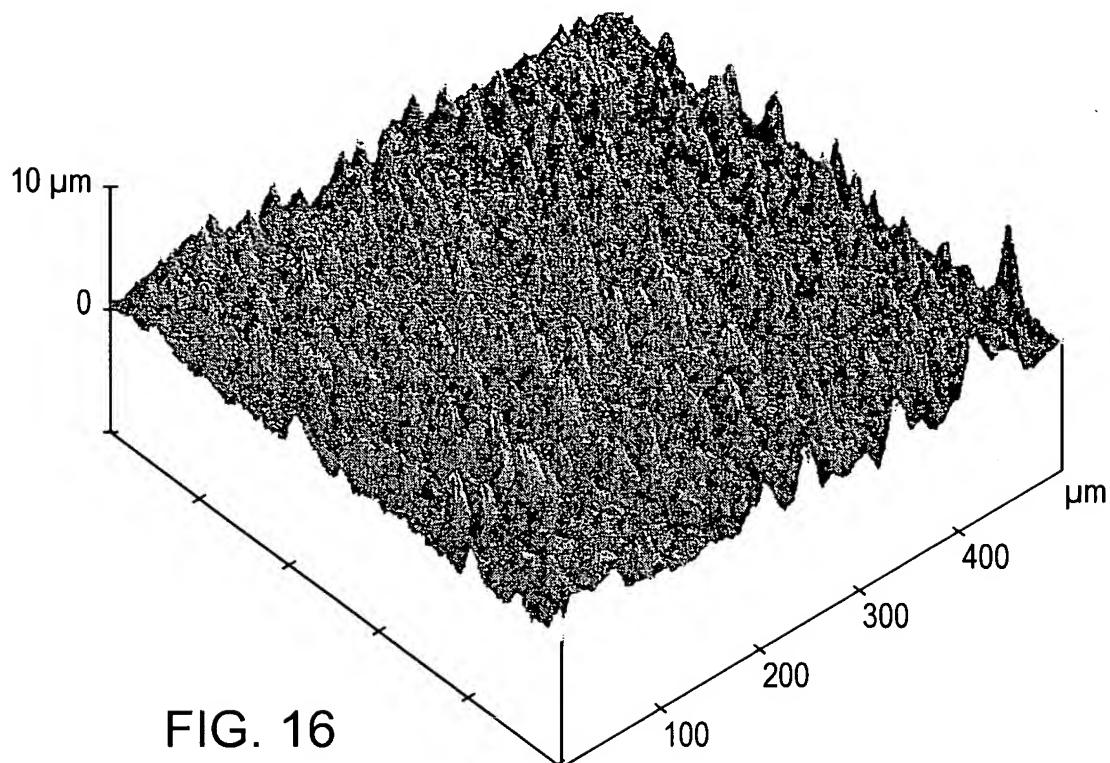


FIG. 16

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